

FIRE APPARATUS TECHNICIAN

(Competitive Class)

DISTINGUISHING FEATURES OF THE CLASS

This class encompasses positions in the repair and maintenance division of fire department vehicles and equipment. Incumbents of this class diagnose mechanical problems and conduct safety inspections on all departmental vehicles. Employees of this class maintain, repair, make adjustments to and organize replacement parts for all departmental vehicles, fire apparatus and equipment. Fire Department Mechanics perform duties with little supervision in most areas, performing special tasks assigned with only general instructions, and report to and have work reviewed by the Fire Chief.

EXAMPLES OF WORK

Examples listed below are illustrative only. They are not intended to include all duties which may be assigned, neither are they intended to exclude other duties which may be logical assignments to this class.

Performs general maintenance tasks on departmental vehicles and fire apparatus, such as refueling vehicles, changing or adding oil and adjusting headlights. Cleans and maintains turn-out gear. Inspects and tests fire hose and hose couplings; nozzles and nozzle assemblies. Repairs or replaces accessories on automotive equipment, such as windshield wipers, lights and flashers. Maintains or repairs automotive equipment using instruments such as hydrometers, voltmeters, dwell-tachometer and vacuum gauges.

Performs maintenance, repairs or adjustments on cooling, fuel, lubricating and electrical systems of fire department apparatus and vehicles. Ensures proper working order to systems by installing replacement parts, such as fans, fan belts, fuel lines, filters, pumps, oil seals, PCV systems, batteries, spark plugs, cables and other parts as necessary.

Performs maintenance, repairs or adjustments on brake, drive train, emission, and suspension systems. Installs necessary replacement parts to such systems, including replacing drum, disc or power brakes, mufflers and resonators, front and rear end assemblies, tires and wheel bearings and other parts as needed.

Performs maintenance and repairs to gasoline engines which may include the installation or replacement of intake and exhaust manifolds, gaskets or valves. Performs maintenance and repairs to diesel engines which may include adjusting or replacing governors, fuel spray nozzles and turbo-chargers. Ensures proper functioning fire apparatus hydraulic equipment. Maintains and repairs fire apparatus fixtures including rotary gear, pumps, aerial ladders and

water towers. Performs body repair work, such as repairing dents, priming and painting.

Maintains portable equipment and small power tools, such as portable generators and pumps, power saws, lawn mowers and edgers. Repairs such as needed. Provides for storage of self-contained breathing apparatus.

Diagnoses mechanical problems using information received from fire department personnel. Reads service manuals, parts books, and any other written or internet-based material necessary to determine how to perform required repairs and maintenance duties. Makes mathematical calculations in order to perform accurate and correct measurements, adjustments or calibrations. Participates in any continued training required by the department.

Makes repairs at the emergency scene when needed. Determines if firefighting apparatus involved in an accident is safe for continued use. Locates and arranges for outside repair and maintenance services on department equipment or vehicles as necessary. Transports, delivers, and picks up equipment for repair or maintenance by driving department vehicles. Inspects repairs completed by outside services to ensure work was effectively accomplished and equipment or vehicles are in proper working order. Road tests and conducts required safety inspections on all department vehicles.

Participates in the purchase of equipment and supplies. Maintains inventory, ensuring the availability and organization of parts and supplies necessary to perform the work of the maintenance division. Distributes supplies and equipment to fire department employees and divisions in accordance with department policy.

Personally completes and files all forms reports and records. Retrieves such from division files as needed. Writes reports as directed.

Performs any related duties assigned.

QUALIFICATION REQUIREMENTS

Unless otherwise specified, all requirements listed below must be met by the filing deadline for application for admission to the examination.

Must meet all requirements of the Municipal Fire and Police Civil Service Law, including being a citizen of the United States and of legal age.

After offer of employment, but before beginning work in this class, must pass a physical examination, the selection and administration of which shall be authorized by the Appointing Authority, designed to demonstrate good health and physical fitness sufficient to perform the essential duties of the position, with or without accommodation.

Must possess a valid driver's license.

Applicant must possess one of the following: high school diploma, general educational development (G.E.D.) certificate, high school transcript, affidavit from the issuing high school, associate's or bachelor's degree, or college transcript, any one of which must indicate that graduation has occurred or a degree awarded. A certification of completion shall not be sufficient to substitute for a diploma or G.E.D. certificate.

Must have at least three (3) years experience in automotive and heavy truck repair, with at least one (1) year experience as a full-time mechanic for a paid fire department.